

Consideration of Article III being resumed, Dr. Skinner proposed the following amendments to sections 1 and 3. Section 1 to read "three classes—members, fellows, and honorary fellows." Sec. 3 to read "fellows or honorary fellows of the society."

A motion was carried to reconsider Article V.

Dr. Howard then presented an amendment as follows: "Sec. 4. Election of Honorary Fellows: All nominations for Honorary Fellows shall be made in the manner prescribed for the nominations of Fellows, the nominations being presented to the Executive Committee, who shall mail the ballots to the Fellows. Elections shall be by a mail ballot of the Fellows of the Society, a two-thirds vote of all the Fellows being required for election."

Article V adopted as amended.

The amendment was then adopted.

The constitution and by-laws, as a whole, were then unanimously adopted.

The society then proceeded to the election of officers.

The following officers were elected: President, J. H. Comstock; First Vice President, James Fletcher, Second Vice President, Henry Skinner; Secretary-Treasurer, J. Chester Bradley; the Secretary by vote of the Society casting the ballots for each of them.

The following names were nominated for additional members of the Executive Committee: Wm. M. Wheeler, F. M. Webster, Chas. W. Johnson, J. G. Needham, H. G. Dyar, G. P. Gillette, J. B. Smith, C. J. S. Bethune and Herbert Osborn.

The ballot resulted in the election of Messrs. Wheeler, Smith, Bethune, Osborn, Webster, and Johnson.

The Society then adjourned.

E. G. S. TITUS, *Secretary*.

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#### MINUTES OF THE BOSTON MEETING.

The second meeting of the Entomological Society of America was held in the rooms of the Boston Society of Natural History on the evening of August 22, 1907. The following members were in attendance:

- Prof. John Barlow, Kingston, R. I.
- Rev. Prof. C. J. S. Bethune, Guelph, Ont.
- Mr. William Beutenmuller, New York City.
- Mr. C. V. Blackburn, Stoneham, Mass.
- Mr. J. Chester Bradley, Berkeley, Cal.
- Mr. A. F. Burgess, Boston, Mass.

Mr. Erich Daecke, Philadelphia.  
 Mr. N. S. Easton, Fall River, Mass.  
 Mr. J. H. Emerton, Boston, Mass.  
 Mr. F. P. Engelhardt, Brooklyn, N. Y.  
 Prof. C. H. Fernald, Amherst, Mass.  
 Prof. H. T. Fernald, Amherst, Mass.  
 Mr. W. L. W. Fields, Boston, Mass.  
 Mr. C. A. Frost, South Framingham, Mass.  
 Mr. F. Haimbach, Philadelphia, Pa.  
 Dr. Thomas J. Headlee, Durham, N. H.  
 Mr. E. F. Hitchings, Waterville, Me.  
 Dr. W. J. Holland, Pittsburg, Pa.  
 Mr. C. W. Johnson, Boston, Mass.  
 Prof. Vernon L. Kellogg, Stanford University, Cal.  
 Prof. Trevor Kincaid, Seattle, Wash.  
 Mr. F. E. Lutz, Cold Spring Harbor, N. Y.  
 Mr. H. H. Lyman, Montreal, Canada.  
 Mr. B. P. Mann, Washington, D. C.  
 Mr. C. L. Marlatt, Washington, D. C.  
 Mr. A. P. Morse, Wellesley, Mass.  
 Mr. H. H. Newcomb, Boston, Mass.  
 Prof. Herbert Osborn, Columbus, Ohio.  
 Prof. R. C. Osburn, New York City.  
 Miss Edith M. Patch, Orono, Me.  
 Dr. H. M. Russell, Winchendon, Mass.  
 Prof. E. D. Sanderson, Durham, N. H.  
 Dr. Henry Skinner, Philadelphia.  
 Prof. J. B. Smith, New Brunswick, N. J.  
 Mr. F. M. Webster, Washington, D. C.  
 Dr. Wm. Morton Wheeler, New York City.

In addition the following visitors were present:

Dr. G. Horvath, Budapest.  
 Prof. N. J. Kusnezov, St. Petersburg, Russia.  
 Prof. G. A. Severin, Bruxelles.  
 Dr. R. Heymons, Berlin.  
 Prof. and Mrs. T. D. A. Cockerell, Boulder, Colorado.  
 Mr. E. C. Cotton, Knoxville, Tenn.  
 Mr. W. F. Fiske, Washington, D. C.  
 Mr. J. Arthur Harris, St. Louis, Mo.  
 Mr. G. V. Findar, New York City.  
 Mr. L. R. Reynolds, Boston, Mass.  
 Mr. A. C. Sampson, Sharon, Mass.  
 Mr. L. W. Swett, Bedford, Mass.  
 Mr. A. G. Weeks, Boston, Mass.  
 Mr. R. H. Wolcott, Lincoln, Neb.  
 Mr. Chas. Zeleny, Bloomington, Indiana.

In the absence of the President and First Vice President, the Second Vice President, Dr. Henry Skinner, presided. He opened the meeting with words of welcome to the foreign and other guests who were present, many as delegates to the Seventh International Congress of Zoology. Like all new movements this Society had opposition in the inception and there were those who did not see grounds for utility in its existence. Only by trying it can we fairly tell the results. If there were not a demand for such an organization, persons would not be so quick to join, for we already have over 400 members. In the opinion of the speaker, there are a few essential things which such a society should do; for one, to keep amateurs in touch with a central body. Now this very object would be thwarted were the Society to consist, as some have advocated, of delegates from local Societies, because by far the majority of entomologists are not in territory covered by any local society and would be unrepresented. In fact the societies are so few and gathered into such small territory as to be by no means representative. Another great object of such a society is to build up and foster local societies in unoccupied territory. Everyone is familiar with the growth of entomology in the present day. Many of us know the struggles of the older entomologists, and the discredit formerly cast upon their study. As an example of the present day ever-growing interest, the "News" might be mentioned, to refer to a personal subject, which every year has had to be printed in increasing numbers, and already the edition for 1907 is exhausted. The Society was only a natural incident to this increasing growth of entomology, and the speaker is a firm believer in its utility and wishes it a long life and great prosperity.

The Secretary then announced that the following persons had been duly elected Honorary Fellows of the Entomological Society of America:

Ezra Townsend Cresson,	Samuel Hubbard Scudder,
Philip Reese Uhler,	Henry Ulke,
William Henry Edwards,	Henry Christopher McCook,
William Harris Ashmead.	

The Secretary further announced that the following sixteen persons had been duly elected to Fellowship in the Entomological Society of America.

John Merton Aldrich,	Andrew Delmar Hopkins,
William Beutenmuller,	Leland Ossian Howard,
Philip Powell Calvert,	Vernon Lyman Kellogg,
Daniel William Coquillett,	William Saunders,
Harrison Gray Dyar,	Eugene Amandus Schwartz,
Charles Henry Fernald,	James George Needham,
Stephen Alfred Forbes,	Henry H. Lyman,
Samuel Henshaw,	James H. Emerton.

Prof. Osborn stated that it was the sense of the Executive Committee by its Committee on Publication that no attempt should be made at the publication of a journal that would occupy the field of any existing serial, and that it does not appear feasible to adopt any of the existing journals as the organ of the Society. It seemed to be the sense of the Committee that a dignified publication might be undertaken in the nature of a series of Annals or Memoirs, but that this should not be done until there was no question as to the permanency of the form in which it be started.

On invitation of the President, Dr. Horvath, Dr. Heymons and Prof. Severin, and later on the invitation of Dr. Holland, Prof. Kusnezov, responded each in turn with a brief address of greeting to the Society.

The Chair remarked that this was sacred entomologic ground, hallowed by the work of Drs. Harris and Scudder. Dr. Scudder's very old friend, Dr. J. G. Holland had been asked to bear him the greetings of the Society, and they now awaited with interest his response from Dr. Holland.

"No more grateful task Mr. President," said Dr. Holland, "could have been imposed upon me than to carry to Dr. Scudder the salutations of the Entomological Society of America. This afternoon I made my way to Cambridge, afraid that I might not be permitted to see him, because of the tidings that reached me of his greatly failing health, standing almost as he was within the eternal shadows. What was my satisfaction to be met at the door by his sister, who said he would be very glad indeed to see me. There I found him perfectly helpless in body but perfectly clear in mind. When I told him that I carried to him not only my own greetings, but those of the delegates to the Zoological

Congress and the Entomological Society of America, he replied, 'This is delicious.' He asked me to thank the Society from the fullness of his heart for having remembered an old man, now almost a shadow of his former self."

Dr. Bethune expressed the thanks of the Society to their entertainers in Boston and especially the Cambridge Entomological Club.

Dr. Smith offered a resolution which was heartily concurred in, that the thanks of this Society be expressed to Mr. Kirkland for the wonderful opportunity offered them for observing the experiments being carried on against the gypsy and brown tail moths, etc., at Saugus.

There being no further business the reading of papers was entered upon.

Papers were read as follows:

Dr. J. B. Smith, "Some Unrecognized Sexual Characters of Noctuidae," illustrated by lantern slides. The males of many Noctuids have characteristic tufts and hair pencils on the legs, and these reach their extreme development in the Deltoid series. Many other Noctuidae have hair pencils, brushes and scale tufts concealed in abdominal cavities, and of these little or nothing has been known heretofore. A few of the principal forms were shown on the slides. [Published Trans. Am. Ent. Soc.]

J. Chester Bradley, "A Case of Gregarious Sleeping Habits among Aculeate Hymenoptera." In the San Joaquin Valley this Summer, wasps had been noticed sleeping in bunches. Eight species were represented in considerable numbers, each species always grouped separately.

F. M. Webster, "Parasitism of Toxoptera." Illustrated by drawings to show the various positions assumed by the larva of *Lysiphlebus* in parasitizing *Toxoptera*, and causing the latter to assume the characteristic rotund form of parasitized individuals.

Discussion by Drs. Smith and Horvath.

J. Chester Bradley, "The Evolution of the Wings of Evaniidae." Illustrated by charts. The wings of Evaniidae portray in a remarkable manner the progress of evolution. From a relatively complex venation we find gradual steps through various degrees of atrophy resulting finally in the almost complete loss of venation. The group probably biphylletic.

Discussion by Dr. Holland and Prof. Kellogg.

W. L. Devereaux, "Slight Climate and Cicindela Faunal Change and extinction." In the absence of the author read by title only.

C. Abbott Davis, "Modern Methods of Mounting Insects." In the absence of the author read by title.

The meeting then adjourned to a smoker at which the Society and its visitors were the guests of the Cambridge Entomological Club, and had a most enjoyable time.

J. CHESTER BRADLEY, *Secretary-Treasurer.*

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#### MINUTES OF THE THIRD MEETING.

The third meeting of the Entomological Society of America was held in the Zoological Building of the University of Chicago, December 30-31, 1907, in affiliation with the American Association for the Advancement of Science and allied societies.

The meeting was called to order by the First Vice President, Dr. Fletcher, at ten o'clock on Monday, December 30, 1907, and immediately adjourned until after the conclusion of the general session of the American Association for the Advancement of Science.

At eleven o'clock the meeting was again called to order, Dr. Fletcher in the chair.

Among those present during the sessions were: C. C. Adams, W. Barnes, C. E. Bartholomew, J. W. Folsom, G. M. Bentley, C. Betten, F. C. Bishop, D. Bodine, J. C. Bradley, W. E. Britton, C. T. Brues, L. Bruner, A. F. Burgess, H. E. Burke, J. H. Cook, M. T. Cook, C. R. Crosby, J. J. Davis, J. H. Emerton, E. P. Felt, H. T. Fernald, J. Fletcher, S. A. Forbes, W. J. Gerhard, J. E. Guthrie, J. L. Hancock, C. A. Hart, T. J. Headlee, W. E. Hinds, J. D. Hood, L. O. Howard, W. D. Hunter, F. Johnson, A. Kwiat, F. E. Lutz, H. H. Lyman, W. S. Marshall, D. Moulton, W. A. Nason, J. G. Needham, H. Osborn, E. M. Patch, J. L. Phillips, A. L. Quaintance, W. A. Riley, A. G. Ruggles, E. D. Sanderson, F. Sherman, Jr., J. B. Smith, R. I. Smith, H. E. Summers, T. B. Symons, W. L. Tower, R. A. Vickery, L. B. Walton, F. L. Washburn, H. E. Weed, H. F. Wickham, C. F. C. Riley, S. W. Williston; James Zetek, B. H. Guilbeau, J. F. Abbott, G. E. Sanders, G. D. Shafer, A. G. Hammar, A. B. Wolcott, E. L. Worsham, W. Newell, J. C. Hambleton, George G. Ainslie, G. P. Weld, J. E. Guthrie, and others.